



10/606, 263

UNITED STATES PATENT AND TRADEMARK OFFICEUNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE**NOTICE OF DRAWING INCONSISTENCY WITH SPECIFICATION**

The drawings filed 6/25/03 have been received. However, an inconsistency exists between the drawings and the Brief Description of the Drawings in the specification.

Figures _____ are listed in the Brief Description of the Drawings in the specification but not contained in the Drawings.

Figures 2C & 7C are contained in the Drawings but not listed in the Brief Description of the Drawings in the specification.

Applicant is required to correct the above-noted inconsistency within a time period of **ONE MONTH or THIRTY (30) DAYS**, whichever is longer, from the mailing date of this Notice, or within the time remaining in the time period set forth in the Notice of Allowability (Form PTOL-37) to file corrected drawings, whichever is longer. **NO EXTENSION OF THIS TIME PERIOD MAY BE GRANTED UNDER EITHER 37 CFR 1.136 (a) OR (b)**

Failure to correct the above noted inconsistency will result in abandonment of the application.

The file will be held in the Publishing Division to await the correction of the inconsistency.

Return Corrected Drawings/Specification to:

Mail Stop Issue Fee
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FORM PTO-1631 (REV. 10-03)

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/606,263	06/25/2003	Manish Sharma	200300153-1	4523 ✓
22879	739U	01/04/2006		
			EXAMINER	HARRISON, MONICA D
			ART UNIT	PAPER NUMBER
			2813	
US ACTION _____			DATE MAILED: 01/04/2006	
DUE DATE _____				
Paper Dated _____				
OA _____ Final _____				
Msg. Pt. _____ Dwgs. _____				
Appeal _____ Issue Fee _____				
Other <u>Dwgs. CORRECT</u>				

Please find below and/or attached an Office communication concerning this application or proceeding.

BEST AVAILABLE COPY

Attorney Docket No.: 200300153-1

REMARKS

Given the amendment presented herein, we submit that the issues raised in the Notice of Drawing Inconsistency with Specification of January 4, 2006 (copy attached) have been resolved. The drawings, in particular FIG. 2C and FIG. 7C, are now consistent with the specification. No amendment to the drawings is believed necessary. However, the Office is encouraged to telephone the undersigned attorney if any issues regarding the drawings remain outstanding.

The Issue Fee in this application was received and verified on October 19, 2005. We therefore respectfully request prompt confirmation that the inconsistency cited in the aforementioned Notice is overcome. The Office may contact the undersigned attorney by telephone or facsimile, at the numbers noted below.

It is believed that all of the pending matters have been addressed. However, the absence of a reply to a specific rejection, issue or comment does not signify agreement with or concession of that rejection, issue or comment. In addition, because the arguments made above may not be exhaustive, there may be reasons for patentability of any or all pending claims (or other claims) that have not been expressed. Finally, nothing in this paper should be construed as an intent to concede any issue with regard to any claim, except as specifically stated in this paper, and the amendment of any claim does not necessarily signify concession of unpatentability of the claim prior to its amendment.

Applicant believes that no fees are due; however, should any fee be deemed necessary in connection with this Amendment and Response, the Commissioner is authorized to charge deposit account 08-2025, referencing the Attorney Docket Number 200300153-1.

Respectfully submitted,

By:



Daniel W. Roberts,
Reg. No. 52,172
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Page 3 of 3

Response to Office Action mailed 3/23/2005
U.S. Application Serial No. 10/606,263

DIRECTIONAL ION ETCHING PROCESS FOR PATTERNING SELF-ALIGNED VIA CONTACTS

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Attorney Docket No.: 200300153-1

IN THE SPECIFICATION

Beginning on page 5 of the specification, under the heading "BRIEF DESCRIPTION OF THE DRAWINGS", please amend the second paragraph subsection and the seventh paragraph subsection as follows:

-- FIGS. 2A ~ ~~2B~~^{2C} provide a perspective view illustrating the photoresist undercut process of the prior art memory structure shown in FIGS. 1A & 1B. --

-- FIGS. 7A ~ ~~7B~~^{7C} provide a perspective view illustrating the addition of column conductors to the memory structure shown in FIG. 5C. --

PATENT
Attorney Docket No.: 200300153-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Manish Sharrma)	Group No.: 2813
Serial No.: 10/606,263)	
Filed: June 25, 2003)	Examiner: Harrison, Monica D.
For: DIRECTIONAL ION ETCHING)	Confirmation No.: 4523
PROCESS FOR PATTERNING)	
SELF-ALIGNED VIA CONTACTS)	Attorney Docket No.: 200300153-1

Mail Stop Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Response to Notice of Drawing Inconsistency with Specification and
Amendment after Allowance

Sir:

Responsive to the Notice of Drawing Inconsistency with Specification mailed 17 December 2005, Applicants respectfully request consideration and entry of this Amendment after Allowance.

Amendments to the Specification begin on page 2 of this paper.

Remarks begin on page 3 of this paper

CERTIFICATE OF TRANSMITTAL UNDER 37 C.F.R. 1.8

I hereby certify that this paper (along with any paper referred to as being filed herewith) is being transmitted via facsimile number 703-308-5065 to the Office of Patent Publications, Attn: Issue Fee, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Jan. 13, 2006

Date _____

Janice Price

Janice Price

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Page 1 of 3

Response to Notice of Drawing Inconsistency With Specification dated Jan 4, 2006
U.S. Application Serial No. 10/606,263
DIRECTIONAL ION ETCHING PROCESS FOR PATTERNING SELF-ALIGNED VIA CONTACTS

HEWLETT-PACKARD COMPANY
Intellectual Property Administration
P.O. Box 272400
Fort Collins, Colorado 80527-2400

PATENT APPLICATION

ATTORNEY DOCKET NO. 200300153-1

Inventor(s): Manish Sharma

Confirmation No.: 4523

Application No.: 10/606,263

Examiner: Harrison, Monica D.

Filing Date: June 25, 2003

Group Art Unit: 2813

Title: DIRECTIONAL ION ETCHING PROCESS FOR PATTERNING SELF-ALIGNED VIA CONTACTS

Mail Stop *Issue Fee*
Commissioner For Patents
PO Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER FOR RESPONSE/AMENDMENT

Transmitted herewith is/are the following in the above-identified application:

- Response/Amendment
 New fee as calculated below
 No additional fee
 Other

- Petition to extend time to respond
 Supplemental Declaration

Fee\$

CLAIMS AS AMENDED BY OTHER THAN A SMALL ENTITY						
(1) FOR	(2) CLAIMS REMAINING AFTER AMENDMENT	(3) NUMBER EXTRA	(4) HIGHEST NUMBER PREVIOUSLY PAID FOR	(5) PRESENT EXTRA	(6) RATE	(7) ADDITIONAL FEES
TOTAL CLAIMS	38	MINUS	38	= 0	X \$50	\$ 0
INDEP. CLAIMS	3	MINUS	3	= 0	X \$200	\$ 0
<input type="checkbox"/> FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM + \$360 \$ 0						
EXTENSION FEE	<input type="checkbox"/> 1st Month \$120	<input type="checkbox"/> 2nd Month \$450	<input type="checkbox"/> 3rd Month \$1020	<input type="checkbox"/> 4th Month \$1590		\$ 0
OTHER FEES \$						
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT \$ 0						

Charge \$ 0 to Deposit Account 08-2025. At any time during the pendency of this application, please charge any fees required or credit any over payment to Deposit Account 08-2025 pursuant to 37 CFR 1.25. Additionally charge any fees to Deposit Account 08-2025 under 37 CFR 1.16 through 1.21 inclusive, and any other sections in Title 37 of the Code of Federal Regulations that may regulate fees. A duplicate copy of this sheet is enclosed.

I hereby certify that this paper is being transmitted to the Patent and Trademark Office facsimile number 703-308-5065
Date of facsimile: January 13, 2006

Typed Name: Janice Price

Signature: Janice Price

Respectfully submitted,

Manish Sharma

By



Daniel W. Roberts

Attorney/Agent for Applicant(s)

Reg No. : 52,172

Date : January 13, 2006

Telephone : (720) 931-3016

HEWLETT-PACKARD COMPANY
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P.O. Box 272400
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PATENT APPLICATION

ATTORNEY DOCKET NO. 200300153-1

Inventor(s): Manish Sharma
Application No.: 10/606,263
Filing Date: June 25, 2003

Confirmation No.: 4523

Examiner: Harrison, Monica D.

Group Art Unit: 2813

Title: DIRECTIONAL ION ETCHING PROCESS FOR PATTERNING SELF-ALIGNED VIA CONTACTS

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PO Box 1450
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TRANSMITTAL LETTER FOR RESPONSE/AMENDMENT

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- Response/Amendment
 New fee as calculated below
 No additional fee
 Other

- Petition to extend time to respond
 Supplemental Declaration

Fee\$

CLAIMS AS AMENDED BY OTHER THAN A SMALL ENTITY						
(1) FOR	(2) CLAIMS REMAINING AFTER AMENDMENT	(3) NUMBER EXTRA	(4) HIGHEST NUMBER PREVIOUSLY PAID FOR	(5) PRESENT EXTRA	(6) RATE	(7) ADDITIONAL FEES
TOTAL CLAIMS	38	MINUS	38	= 0	X \$50	\$ 0
INDEP. CLAIMS	3	MINUS	3	= 0	X \$200	\$ 0
<input type="checkbox"/> FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM					+ \$360	\$ 0
EXTENSION FEE	<input type="checkbox"/> 1st Month \$120	<input type="checkbox"/> 2nd Month \$450	<input type="checkbox"/> 3rd Month \$1020	<input type="checkbox"/> 4th Month \$1590		\$ 0
OTHER FEES						\$
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT						\$ 0

Charge \$ 0 to Deposit Account 08-2025. At any time during the pendency of this application, please charge any fees required or credit any over payment to Deposit Account 08-2025 pursuant to 37 CFR 1.25. Additionally charge any fees to Deposit Account 08-2025 under 37 CFR 1.16 through 1.21 inclusive, and any other sections in Title 37 of the Code of Federal Regulations that may regulate fees. A duplicate copy of this sheet is enclosed.

I hereby certify that this paper is being transmitted to the Patent and Trademark Office facsimile number 703-308-5065. Date of facsimile: January 13, 2006

Typed Name: Janice Price

Signature: Janice Price

Respectfully submitted,

Manish Sharma

By

Daniel W. Roberts

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Date : January 13, 2006

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January 13, 2006

From: Daniel W. Roberts

Docket No.: 200300153-1
L&G No.: 436161

To:	Company:	Fax Number:	Phone Number:
Office of Patent Publications Attn: Issue Fee	United States Patent and Trademark Office	703-308-5065	

Number of Pages Transmitted (including this cover sheet): 8

Message:

First Named Inventor: Manish Sharma
Application No.: 10/606,263
Filed: June 25, 2004
Title: Directional Ion Etching Process for Patterning Self-Aligned Via Contacts

Examiner: Harrison, Monica D.
Group Art Unit: 2813

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